

**LAPORAN HASIL PENGERJAAN**  
**Membuat CRUD dengan Server Side Datatable dan Penerapan OOP CRUD**  
**WORKSHOP SISTEM INFORMASI BERBASIS WEB**

**TUGAS**



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## Tugas

Membuat satu menu lagi Data Master CRUD dengan menerapkan Server Side Datatable dan penerapan OOP pada CRUD nya.

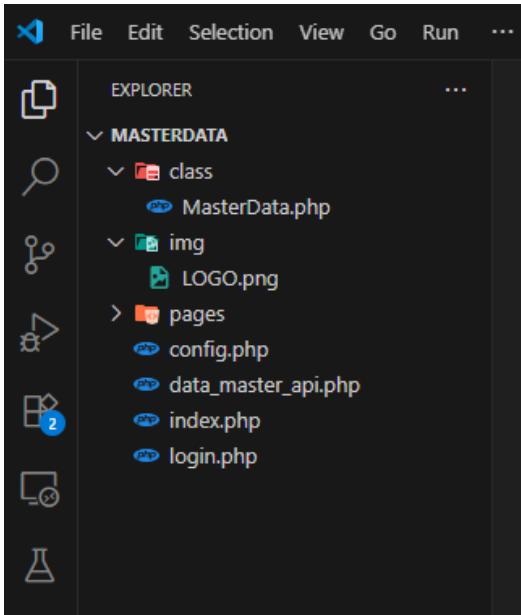
### 1. Tampilan Dashboard

The screenshot shows the SIDISKA dashboard. On the left is a sidebar with links for User Management, Add User, and Data Master. The main area displays student statistics: Total Siswa (2), Laki-laki (2), and Perempuan (0). Below this is a table for 'Siswa Terbaru' with two rows of data. The right side features a 'Quick Actions' sidebar with buttons for 'Tambah Siswa', 'Daftar Siswa', and 'Master Data'. Below that is an 'Informasi Sistem' section showing 'Server Online', 'Database Terkoneksi', and 'Aplikasi SIDISKA v1.0'.

### 2. Tampilan Server Side Datatable

The screenshot shows the 'Data Master Management' page. It features a table with columns for ID, Nama, Kelas, Status, Created At, and Actions. Two entries are listed: 'kazaa' (ID 1) and 'rani' (ID 5). The 'Actions' column contains 'Edit' and 'Delete' buttons. A search bar and pagination controls are at the bottom.

### 3. Master Data File



### 4. Tampilan Syntax API Master Data

```

<?php
class MasterData {
    public function getMasterData(): void
    {
        try {
            $masterData = new MasterData();
        }
        catch (Exception $e) {
            http_response_code(response_code: 500);
            echo json_encode([
                'error' => 'Server error in getMasterData',
                'message' => $e->getMessage()
            ]);
        }
    }
}

```

## 5. Tampilan Syntax Master Data

```

class MasterData {
    public function update($id, $nis, $nama, $tanggal_lahir, $jenis_kelamin, $kelas, $jenis_disabilitas, $status)
    {
        try {
            $query = "UPDATE siswa
                      SET nis = :nis,
                          nama = :nama,
                          tanggal_lahir = :tanggal_lahir,
                          jenis_kelamin = :jenis_kelamin,
                          kelas = :kelas,
                          jenis_disabilitas = :jenis_disabilitas,
                          status = :status
                     WHERE id = :id";
            $stmt = $this->conn->prepare(query: $query);
            $stmt->bindParam(param: ':id', var: &$id, type: PDO::PARAM_INT);
            $stmt->bindParam(param: ':nis', var: &$nis);
            $stmt->bindParam(param: ':nama', var: &$nama);
            $stmt->bindParam(param: ':tanggal_lahir', var: &$tanggal_lahir);
            $stmt->bindParam(param: ':jenis_kelamin', var: &$jenis_kelamin);
            $stmt->bindParam(param: ':kelas', var: &$kelas);
            $stmt->bindParam(param: ':jenis_disabilitas', var: &$jenis_disabilitas);
            $stmt->bindParam(param: ':status', var: &$status);

            return $stmt->execute();
        } catch (Exception $e) {
            error_log(message: "Update error: " . $e->getMessage());
            return false;
        }
    }
}

```